



PTO/SB/08A (04-03)

Approved for use through 04/30/2003. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		<b>Compleat if Known</b>	
		Application Number	
		Filing Date	<b>Jun 23 03</b>
		First Named Inventor	<b>James E. Nault</b>
		Art Unit	<b>3764</b>
		Examiner Name	
Sheet <b>1</b>	of <b>1</b>	Attorney Docket Number	<b>1</b>

U. S. PATENT DOCUMENTS					C. = Column; L. = Line(s)
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-4,779,867 B1	10 25 1988	Robert S. Hinds	FIG 1; C. 1, L. 55 - C. 2, L. 12; C. 2, 13 - 27; C. 4, L. 30 - 38; C. 2, L. 50, 51, 55, 56; C. 2, L. 63 - 66; C. 2, L. 67 - C. 3, L. 1, C. 3, L. 40
		US-4,328,964 B1	05 11 1982	Thomas G. Walls	FIGs 1A, 2, 3; C. 2, L. 7 - 12
		US-4,316,610 B1	02 03 1982	Robert S. Hinds	FIGs 2 - 5, 10 - 18; C. 3, L. 32 - 62; C. 4, L. 15 - 43, C. 4, L. 59 - C. 6, L. 10
		US-4,245,839 B1	01 20 1981	Stanley G. Trent	FIGs 1, 2, 4, 5
		US-4,059,265 B1	11 22 1977	Horst K. Wieder, et al	FIG 1, 3, 5; C. 2, L. 30 - 35, 42 - 50
		US-3,355,171 B1	11 28 1967	R. J. Oesau	FIG 1; C. 2, L. 44 - 62
		US-3,265,015 B1	06 14 1966	William E. Perrin	FIGs 1, 9, 14; C. 1, L. 5
		US-3,117,781 B1	01 14 1964	Louis M. Vargo	FIGs 1, 5; C. 1, L. 53 - 68; C. 2, L. 8; Claim 1, L. 5
		US-2,448,384 B1	08 31 1948	Dale Meinzing	FIG 2; C. 1, L. 20 - 23, 37 - 47
		US-437,822 B1	10 07 1890	Robert Reach	FIG 1; C. 1, L. 27, 28
		US-			
		The following patent appears, within the meaning of 37 CFR 1.97(c), to be cumulative of U.S. Patent No. 4,316,610 issued to Hinds and not, therefore shown above: U.S. Patent No. 4,195,835 issued to Hinds, et al			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.